Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A heat exchanger~~, in particular~~ suitable for use as a charge air cooler for a motor vehicle, ~~with~~ comprising at least one ~~box~~ header tank with at least one chamber for distributing and/or collecting a flowing medium; and with at least one tube bundle ~~consisting of~~ comprising tubes which are connected in a communicating manner to the at least one chamber, the at least one chamber having a tube plate with orifices, into which the tubes of the tube bundle are ~~insertable, characterized in that~~ inserted, wherein at least one of said tubes has an at least double-walled construction having a first wall and a second wall ~~at least~~ in a region which is ~~in the~~ inserted ~~state~~ in an orifice of the tube plate, wherein an inner surface of the first wall bears over at least a substantial portion of its area against an outer surface of the second wall, and wherein said inner surface and said outer surface are brazed to one another over a partial area along the substantial portion of the area in which they bear against one another.

2. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that an inner wall of the at least one tube bears at least partially over its area against an outer wall of the at least one tube~~ wherein inner surface of the first wall bears over essentially all of its area against the outer surface of the second wall, and wherein said inner surface and said outer surface are brazed to one another over essentially the entire portion of the area in which they bear against one another.

3. **(Currently Amended)** The heat exchanger as claimed in claim 2, ~~characterized in that the inner wall is soldered or welded to the outer wall at least at particular points~~ wherein the tube plate and the first and second walls of the tube are comprised of aluminum.

4. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that an inner or an outer~~ wherein either said first wall or said second wall ~~of the at least one tube is designed as~~ comprises a shaped sheet metal strip.

5. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that an inner or an outer~~ wherein the first or second wall of the at least one tube ~~is designed as~~ comprises an extruded molding.

6. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that~~ wherein the at least one tube ~~is designed as~~ comprises a flat tube and/or polygonal tube.

7. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that~~ wherein the at least one tube ~~has~~ comprises at least one connecting web which connects mutually opposite regions of ~~an~~ the inner surface of the second wall to one another.

8. **(Currently Amended)** The heat exchanger as claimed in claim 7, ~~characterized in that~~ wherein the at least one connecting web is constructed in one piece with the ~~inner~~ second wall.

9. **(Currently Amended)** The heat exchanger as claimed in claim 1, ~~characterized in that an inner~~ wherein the second wall has a longitudinally extending bead that forms a depression on its outside surface.

10. **(Currently Amended)** The heat exchanger as claimed in claim 9, ~~characterized in that~~ wherein the depression is of elongate design and has a depth and/or width ~~of the depression~~ decreases in ~~a~~ the longitudinal direction of the depression.

11. – 13. Cancelled

14. **(New)** A charge air cooler for a motor vehicle, comprising at least one header tank forming at least one chamber for distributing and/or collecting charge air for an engine of the vehicle; and at least one tube bundle comprising tubes which are connected in a communicating manner to the at least one chamber, the at least one chamber having a tube plate with orifices, into which the tubes of the tube bundle are inserted, wherein at least one of said tubes has an at least double-walled construction having a first wall and a second wall in a region which is inserted in an orifice of the tube plate, wherein an inner surface of the first wall bears over at least a substantial portion of its area against an outer surface of the second wall, and wherein said inner surface and said outer surface are brazed to one another over a partial area along the substantial portion of the area in which they bear against one another.

15. **(New)** The charge air cooler as claimed in claim 14, wherein inner surface of the first wall bears over essentially all of its area against the outer surface of the second wall, and wherein said inner surface and said outer surface are brazed to one another over essentially the entire portion of the area in which they bear against one another.

16. **(New)** The charge air cooler as claimed in claim 15, wherein the tube plate and the first and second walls of the tube are comprised of aluminum.

17. **(New)** The charge air cooler as claimed in claim 16, wherein the at least one tube comprises a flat tube and/or polygonal tube.

18. **(New)** The charge air cooler as claimed in claim 14, further comprising a second header tank forming a second chamber for distributing and/or collecting charge air for the engine of the vehicle; and wherein the least one tube bundle comprises a plurality of identical tubes which are connected in a communicating manner to the at least one and the second chambers, wherein each of said chambers has a tube plate with orifices, into which the tubes of the tube bundle are inserted, wherein a plurality of said tubes have an at least double-walled construction having a first wall and a second wall in a region at each end of the tubes which is inserted in an orifice of the respective tube plates, wherein an inner surface of the first wall bears over at least a substantial portion of its area against an outer surface of the second wall, and wherein said inner surface and said outer surface are brazed to one another over a partial area along the substantial portion of the area in which they bear against one another.